βυ #12

PCT09

ENTERED

RAW SEQUENCE LISTING   DATE: 12/04/2002
PATENT APPLICATION: **US/09/889,344B**   TIME: 14:00:04

Input Set : **A:\USSEQLIST3.txt**
Output Set: **N:\CRF4\12032002\I889344B.raw**

```
 4 <110> APPLICANT: CHEN, WENFANG
 5        MEEK, THOMAS D.
 6        POWELL, DAVID J.
 7        TEW, DAVID G.
10 <120> TITLE OF INVENTION: Method of Site Specific Labeling of Proteins and Uses
11        Therefor
14 <130> FILE REFERENCE: P50892
16 <140> CURRENT APPLICATION NUMBER: 09/889,344B
17 <141> CURRENT FILING DATE: 2001-07-16
19 <150> PRIOR APPLICATION NUMBER: PCT/US00/01481
20 <151> PRIOR FILING DATE: 2000-01-20
22 <150> PRIOR APPLICATION NUMBER: US 60/117,327
23 <151> PRIOR FILING DATE: 1999-01-22
25 <160> NUMBER OF SEQ ID NOS: 16
27 <170> SOFTWARE: FastSEQ for Windows Version 3.0
29 <210> SEQ ID NO: 1
30 <211> LENGTH: 5
31 <212> TYPE: PRT
32 <213> ORGANISM: Artificial Sequence
34 <220> FEATURE:
35 <221> NAME/KEY: unsure
36 <222> LOCATION: (5)
37 <223> OTHER INFORMATION: Where Xaa at position (5) can represent Leucine or Isoleucine
39 <220> FEATURE:
40 <223> OTHER INFORMATION: Wherein the amino acid sequence is modified by reacting a
41 <223> OTHER INFORMATION: transglutaminase with a detectable labeling compound
```
W--> `42 <400> 1`
W--> `43  Gln Ser Lys Val Xaa`
```
44    1                 5
46 <210> SEQ ID NO: 2
47 <211> LENGTH: 207
48 <212> TYPE: PRT
49 <213> ORGANISM: Artificial Sequence
51 <220> FEATURE:
52 <221> NAME/KEY: unsure
53 <222> LOCATION: (1)(2)(3)(4)(5)(6)(7)(8)(9)(10)(11)(12)(13)(14)(15)
54 <222> LOCATION: (16)(17)(18)(19)(20)(21)(22)(23)(24)(25)(26)(27)(28)
```
W--> `55 <222> (29)(30)(31)(32)(33)(34)(35)(36)(37)(38)(39)(40)(41)`
W--> `56 <222> (42)(43)(44)(45)(46)(47)(48)(49)(50)(51)(52)(53)(54)`
W--> `57· <222> (55)(56)(57)(58)(59)(60)(61)(62)(62)(64)(65)(66)(67)`
W--> `58 <222> (68)(69)(70)(71)(72)(73)(74)(75)(76)(77)(78)(79)(80)`
W--> `59 <222> (81)(82)(83)(84)(85)(86)(87)(88)(89)(90)(91)(92)(93)`
W--> `60 <222> (94)(95)(96)(97)(98)(99)(100)(101)(106)(107)(108)(109)`

RAW SEQUENCE LISTING   DATE: 12/04/2002
PATENT APPLICATION: US/09/889,344B   TIME: 14:00:05

Input Set : A:\USSEQLIST3.txt
Output Set: N:\CRF4\12032002\I889344B.raw

```
W--> 61 <222> (110)(111)(112)(113)(114)(115)(116)(117)(118)(119)(120)
W--> 62 <222> (121)(122)(123)(124)(125)(126)(127)(128)(129)(130)(131)
W--> 63 <222> (132)(133)(134)(135)(136)(137)(138)(139)(140)(141)(142)
W--> 64 <222> (143)(144)(145)(146)(147)(148)(149)(150)(151)(152)(153)
W--> 65 <222> (154)(155)(156)(157)(158)(159)(160)(161)(162)(163)(164)
W--> 66 <222> (165)(166)(167)(168)(169)(170)(171)(172)(173)(174)(175)
W--> 67 <222> (176)(177)(178)(179)(180)(181)(182)(183)(184)(185)(186)
W--> 68 <222> (187)(188)(189)(190)(191)(192)(193)(194)(195)(196)(197)
W--> 69 <222> (198)(199)(200)(201)(202)(203)(204)(205)(206)(207)
     70 <223> OTHER INFORMATION: Where Xaa can represent none or any one of the twenty
naturally
     71 <223> OTHER INFORMATION: occurring amino acids
W--> 73 <220> FEATURE:
     74 <223> OTHER INFORMATION: Wherein the amino acid sequence is modified by reacting a
     75 <223> OTHER INFORMATION: transglutaminase with a detectable labeling compound
W--> 77 <400> 2
W--> 78 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
     79 1               5                  10                 15
W--> 80 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
     81           20                  25                 30
W--> 82 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
     83         35                  40                 45
W--> 84 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
     85       50                  55                 60
W--> 86 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
     87 65                  70                  75                 80
W--> 88 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
     89               85                  90                 95
W--> 90 Xaa Xaa Xaa Xaa Xaa Gln Ser Lys Val Xaa Xaa Xaa Xaa Xaa Xaa Xaa
     91             100                 105                110
W--> 92 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
     93           115                 120                 125
W--> 94 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
     95         130                 135                140
W--> 96 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
     97 145                 150                 155                160
W--> 98 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
     99               165                 170                175
W--> 100 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
     101             180                 185                190
W--> 102 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
     103           195                 200                 205
     105 <210> SEQ ID NO: 3
     106 <211> LENGTH: 207
     107 <212> TYPE: PRT
     108 <213> ORGANISM: Artificial Sequence
     110 <220> FEATURE:
     111 <221> NAME/KEY: unsure
     112 <222> LOCATION: (1)(2)(3)(4)(5)(6)(7)(8)(9)(10)(11)(12)(13)(14)(15)
     113 <222> LOCATION: (16)(17)(18)(19)(20)(21)(22)(23)(24)(25)(26)(27)(28)
```

RAW SEQUENCE LISTING   DATE: 12/04/2002
PATENT APPLICATION: US/09/889,344B   TIME: 14:00:05

Input Set : A:\USSEQLIST3.txt
Output Set: N:\CRF4\12032002\I889344B.raw

```
W--> 114 <222> (29) (30) (31) (32) (33) (34) (35) (36) (37) (38) (39) (40) (41)
W--> 115 <222> (42) (43) (44) (45) (46) (47) (48) (49) (50) (51) (52) (53) (54)
W--> 116 <222> (55) (56) (57) (58) (59) (60) (61) (62) (62) (64) (65) (66) (67)
W--> 117 <222> (68) (69) (70) (71) (72) (73) (74) (75) (76) (77) (78) (79) (80)
W--> 118 <222> (81) (82) (83) (84) (85) (86) (87) (88) (89) (90) (91) (92) (93)
W--> 119 <222> (94) (95) (96) (97) (98) (99) (100) (101) (106) (107) (108) (109)
W--> 120 <222> (110) (111) (112) (113) (114) (115) (116) (117) (118) (119) (120)
W--> 121 <222> (121) (122) (123) (124) (125) (126) (127) (128) (129) (130) (131)
W--> 122 <222> (132) (133) (134) (135) (136) (137) (138) (139) (140) (141) (142)
W--> 123 <222> (143) (144) (145) (146) (147) (148) (149) (150) (151) (152) (153)
W--> 124 <222> (154) (155) (156) (157) (158) (159) (160) (161) (162) (163) (164)
W--> 125 <222> (165) (166) (167) (168) (169) (170) (171) (172) (173) (174) (175)
W--> 126 <222> (176) (177) (178) (179) (180) (181) (182) (183) (184) (185) (186)
W--> 127 <222> (187) (188) (189) (190) (191) (192) (193) (194) (195) (196) (197)
W--> 128 <222> (198) (199) (200) (201) (202) (203) (204) (205) (206) (207)
     129 <223> OTHER INFORMATION: Where Xaa can represent none or any one of the twenty
naturally
     130 <223> OTHER INFORMATION: occurring amino acids
W--> 132 <220> FEATURE:
     133 <223> OTHER INFORMATION: Wherein the amino acid sequence is modified by reacting a
     134 <223> OTHER INFORMATION: transglutaminase with a detectable labeling compound
W--> 136 <400> 3
W--> 137 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
     138  1           5                  10                  15
W--> 139 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
     140         20                  25                  30
W--> 141 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
     142         35                  40                  45
W--> 143 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
     144      50                  55                  60
W--> 145 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
     146  65                  70                  75                  80
W--> 147 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
     148                  85                  90                  95
W--> 149 Xaa Xaa Xaa Xaa Xaa Gln Ser Lys Val Xaa Xaa Xaa Xaa Xaa Xaa Xaa
     150                 100                 105                 110
W--> 151 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
     152         115                 120                 125
W--> 153 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
     154      130                 135                 140
W--> 155 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
     156  145                 150                 155                 160
W--> 157 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
     158                 165                 170                 175
W--> 159 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
     160         180                 185                 190
W--> 161 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
     162         195                 200                 205
     164 <210> SEQ ID NO: 4
     165 <211> LENGTH: 10
```

RAW SEQUENCE LISTING   DATE: 12/04/2002
PATENT APPLICATION: **US/09/889,344B**   TIME: 14:00:05

Input Set : **A:\USSEQLIST3.txt**
Output Set: **N:\CRF4\12032002\I889344B.raw**

```
166 <212> TYPE: PRT
167 <213> ORGANISM: Artificial Sequence
169 <220> FEATURE:
170 <223> OTHER INFORMATION: Derivative of a factor XIII substrate
172 <400> SEQUENCE: 4
173  Leu Ser Leu Ser Gln Ser Lys Val Leu Gly
174   1               5                  10
176 <210> SEQ ID NO: 5
177 <211> LENGTH: 10
178 <212> TYPE: PRT
179 <213> ORGANISM: Artificial Sequence
181 <220> FEATURE:
182 <223> OTHER INFORMATION: Derivative of a factor XIII substrate
184 <400> SEQUENCE: 5
185  Ile Gly Glu Gly Gln Ser Lys Val Leu Gly
186   1               5                  10
188 <210> SEQ ID NO: 6
189 <211> LENGTH: 10
190 <212> TYPE: PRT
191 <213> ORGANISM: Artificial Sequence
193 <220> FEATURE:
194 <223> OTHER INFORMATION: Derivative of a factor XIII substrate
196 <400> SEQUENCE: 6
197  Leu Gly Pro Gly Gln Ser Lys Val Ile Gly
198   1               5                  10
200 <210> SEQ ID NO: 7
201 <211> LENGTH: 81
202 <212> TYPE: DNA
203 <213> ORGANISM: Unknown
205 <220> FEATURE:
206 <223> OTHER INFORMATION: Oligonucleotide designed to introduce Q tag
208 <400> SEQUENCE: 7
209  tgtacctcag accatatgag cctgtccctg tcccagtcca aagttctgcc gggtccgagc        60
210  actatcgaag aacgcgttaa g                                                  81
212 <210> SEQ ID NO: 8
213 <211> LENGTH: 37
214 <212> TYPE: DNA
215 <213> ORGANISM: Unknown
217 <220> FEATURE:
218 <223> OTHER INFORMATION: Oligonucleotide designed to introduce Q tag
220 <400> SEQUENCE: 8
221  tgatgtcagt caagcttacg cctggtggcc gttgatg                                37
223 <210> SEQ ID NO: 9
224 <211> LENGTH: 14
225 <212> TYPE: PRT
226 <213> ORGANISM: Artificial Sequence
228 <220> FEATURE:
229 <223> OTHER INFORMATION: Derivative of a factor XIII substrate
231 <400> SEQUENCE: 9
```

RAW SEQUENCE LISTING   DATE: 12/04/2002
PATENT APPLICATION: US/09/889,344B   TIME: 14:00:05

Input Set : A:\USSEQLIST3.txt
Output Set: N:\CRF4\12032002\I889344B.raw

```
232  Met Ser Leu Ser Leu Ser Gln Ser Lys Val Leu Pro Gly Pro
233   1             5                10
235 <210> SEQ ID NO: 10
236 <211> LENGTH: 37
237 <212> TYPE: DNA
238 <213> ORGANISM: Unknown
240 <220> FEATURE:
241 <223> OTHER INFORMATION: Oligonucleotide designed to introduce Q tag
243 <400> SEQUENCE: 10
244  tgtacctcag accatatgag cactatcgaa gaacgcg                          37
246 <210> SEQ ID NO: 11
247 <211> LENGTH: 78
248 <212> TYPE: DNA
249 <213> ORGANISM: Unknown
251 <220> FEATURE:
252 <223> OTHER INFORMATION: Oligonucleotide designed to introduce Q tag
254 <400> SEQUENCE: 11
255  tgatgtcagt caagcttacg gacccggcag aactttggac tgggacaggg acagcgcctg   60
256  gtggccgttg atgtaatc                                              78
258 <210> SEQ ID NO: 12
259 <211> LENGTH: 12
260 <212> TYPE: PRT
261 <213> ORGANISM: Artificial Sequence
263 <220> FEATURE:
264 <223> OTHER INFORMATION: Derivative of E. coli ACP protein
266 <400> SEQUENCE: 12
267  Leu Ser Leu Ser Gln Ser Lys Val Leu Pro Gly Pro
268   1             5               10
270 <210> SEQ ID NO: 13
271 <211> LENGTH: 92
272 <212> TYPE: DNA
273 <213> ORGANISM: Unknown
275 <220> FEATURE:
276 <223> OTHER INFORMATION: Oligonucleotide designed to introduce Q tag into
277        Streptococcus haemophilus FabH gene
279 <400> SEQUENCE: 13
280  tatcatatga gcctgtccct gtcccagtcc aaagttctgc cgggtccggg taccctcgag   60
281  ggatccgctt ttgcaaaaat aagtcaggtt gc                               92
283 <210> SEQ ID NO: 14
284 <211> LENGTH: 53
285 <212> TYPE: DNA
286 <213> ORGANISM: Unknown
288 <220> FEATURE:
289 <223> OTHER INFORMATION: Oligonucleotide designed to introduce Q tag into
290        Streptococcus haemophilus FabH gene
292 <400> SEQUENCE: 14
293  ctcagatctg agctcactag tggatcctta aattgtaaga atgagcgtgc ccc          53
295 <210> SEQ ID NO: 15
296 <211> LENGTH: 364
```

RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 12/04/2002
PATENT APPLICATION: US/09/889,344B   TIME: 14:00:06

Input Set : A:\USSEQLIST3.txt
Output Set: N:\CRF4\12032002\I889344B.raw

<u>Please Note:</u>
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the
Sequence Listing to ensure that a corresponding explanation is presented in the <220>
to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; Xaa Pos. 5
Seq#:2; Xaa Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22
Seq#:2; Xaa Pos. 23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41
Seq#:2; Xaa Pos. 42,43,44,45,46,47,48,49,50,51,52,53,54,55,56,57,58,59,60
Seq#:2; Xaa Pos. 61,62,63,64,65,66,67,68,69,70,71,72,73,74,75,76,77,78,79
Seq#:2; Xaa Pos. 80,81,82,83,84,85,86,87,88,89,90,91,92,93,94,95,96,97,98
Seq#:2; Xaa Pos. 99,100,101,106,107,108,109,110,111,112,113,114,115,116,117
Seq#:2; Xaa Pos. 118,119,120,121,122,123,124,125,126,127,128,129,130,131
Seq#:2; Xaa Pos. 132,133,134,135,136,137,138,139,140,141,142,143,144,145
Seq#:2; Xaa Pos. 146,147,148,149,150,151,152,153,154,155,156,157,158,159
Seq#:2; Xaa Pos. 160,161,162,163,164,165,166,167,168,169,170,171,172,173
Seq#:2; Xaa Pos. 174,175,176,177,178,179,180,181,182,183,184,185,186,187
Seq#:2; Xaa Pos. 188,189,190,191,192,193,194,195,196,197,198,199,200,201
Seq#:2; Xaa Pos. 202,203,204,205,206,207
Seq#:3; Xaa Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22
Seq#:3; Xaa Pos. 23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41
Seq#:3; Xaa Pos. 42,43,44,45,46,47,48,49,50,51,52,53,54,55,56,57,58,59,60
Seq#:3; Xaa Pos. 61,62,63,64,65,66,67,68,69,70,71,72,73,74,75,76,77,78,79
Seq#:3; Xaa Pos. 80,81,82,83,84,85,86,87,88,89,90,91,92,93,94,95,96,97,98
Seq#:3; Xaa Pos. 99,100,101,106,107,108,109,110,111,112,113,114,115,116,117
Seq#:3; Xaa Pos. 118,119,120,121,122,123,124,125,126,127,128,129,130,131
Seq#:3; Xaa Pos. 132,133,134,135,136,137,138,139,140,141,142,143,144,145
Seq#:3; Xaa Pos. 146,147,148,149,150,151,152,153,154,155,156,157,158,159
Seq#:3; Xaa Pos. 160,161,162,163,164,165,166,167,168,169,170,171,172,173
Seq#:3; Xaa Pos. 174,175,176,177,178,179,180,181,182,183,184,185,186,187
Seq#:3; Xaa Pos. 188,189,190,191,192,193,194,195,196,197,198,199,200,201
Seq#:3; Xaa Pos. 202,203,204,205,206,207

VERIFICATION SUMMARY   DATE: 12/04/2002
PATENT APPLICATION: **US/09/889,344B**   TIME: 14:00:06

Input Set : **A:\USSEQLIST3.txt**
Output Set: **N:\CRF4\12032002\I889344B.raw**

```
L:42 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:1
L:42 M:283 W: Missing Blank Line separator, <400> field identifier
L:43 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0
L:55 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:2
L:56 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:2
L:57 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:2
L:58 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:2
L:59 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:2
L:60 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:2
L:61 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:2
L:62 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:2
L:63 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:2
L:64 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:2
L:65 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:2
L:66 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:2
L:67 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:2
L:68 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:2
L:69 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:2
L:77 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:2
L:78 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0
L:80 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:16
L:82 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:32
L:84 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:48
L:86 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:64
L:88 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:80
L:90 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:96
L:92 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:112
L:94 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:128
L:96 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:144
L:98 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:160
L:100 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:176
L:102 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:192
L:114 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:3
L:115 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:3
L:116 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:3
L:117 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:3
L:118 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:3
L:119 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:3
L:120 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:3
L:121 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:3
L:122 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:3
L:123 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:3
L:124 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:3
L:125 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:3
L:126 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:3
L:127 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:3
L:128 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:3
L:136 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:3
```

VERIFICATION SUMMARY   DATE: 12/04/2002
PATENT APPLICATION: **US/09/889,344B**   TIME: 14:00:06

Input Set : **A:\USSEQLIST3.txt**
Output Set: **N:\CRF4\12032002\I889344B.raw**

```
L:137 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0
L:139 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:16
L:141 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:32
L:143 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:48
L:145 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:64
L:147 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:80
L:149 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:96
L:151 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:112
L:153 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:128
L:155 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:144
L:157 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:160
L:159 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:176
L:161 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:192
```